

CLAIMS

What is claimed is:

1. A washout system for cleaning concrete and other materials from the inside surface of a concrete mixer drum with a fluid, the concrete mixer drum mounted to a concrete truck or the like, the fluid stored in a predetermined fluid source with the fluid source activatable to release fluid, the washout system comprises:

a telescoping pipe assembly extendible into the mixer drum, the telescoping pipe assembly having a first end and a second end, the first end fluidly connected to the fluid source;

a spray bar fluidly connected to the second end of the telescoping pipe assembly; and

a plurality of nozzles positioned circumferentially about and longitudinally along the spray bar;

wherein upon activation of the fluid source, thereby introducing fluid into the telescoping pipe assembly, the second end of the telescoping pipe assembly extends into the mixer drum.

2. The washout system of claim 1 wherein the telescoping pipe assembly has a plurality of pipe sections, each pipe section being receivable within an adjacent pipe section.

3. The washout system of claim 1 wherein the nozzles direct fluid in at least substantially all directions to the inside surface within the mixer drum.

4. The washout system of claim 1 wherein the nozzles are recessed.

5. The washout system of claim 1 wherein the fluid source is mounted to the concrete truck.
6. The washout system of claim 1 wherein the telescoping pipe assembly has an angle relative to the ground is substantially equivalent to the interior layout of the mixer drum.
7. The washout system of claim 1 wherein the telescoping pipe assembly has an automatic return system such that the spray bar automatically retracts into the telescoping pipe upon deactivation of the fluid source and the telescoping pipe assembly retracting from within the mixer drum.
8. The washout system of claim 7 wherein the automatic return system is selected from the group consisting of a weight and pulley and a spring.
9. The washout system of claim 1 wherein the telescoping pipe assembly has a manual return system for manually retracting the spray bar and telescoping pipe assembly from within the mixer drum.
10. A method for cleaning concrete and other materials from the inside surface of a concrete mixer drum with a fluid, the method comprises:
 - providing a telescoping pipe assembly;
 - providing a spray bar;
 - forming a plurality of nozzles along the spray bar;
 - connecting the spray bar to the telescoping pipe assembly;
 - introducing fluid into the telescoping pipe assembly; and
 - extending at least a portion of the telescoping pipe assembly into the mixer drum.

11. The method of claim 10 wherein the telescoping pipe assembly has a plurality of pipe sections, each pipe section being receivable within an adjacent pipe section.

12. The method of claim 10 and further comprising:
directing the nozzles such that the fluid is directed in at least substantially all directions within the mixer drum.

13. The method of claim 10 and further comprising:
recessing the nozzles within the telescoping pipe assembly.

14. The method of claim 10 and further comprising:
automatically retracting the spray bar into the telescoping pipe upon deactivation of the fluid.

15. An assembly for cleaning concrete and other materials from the inside surface of a concrete mixer drum with a fluid, the assembly comprises:
telescoping means extendible into the mixer drum; and
spray means connected to the telescoping means.

16. The assembly of claim 15 wherein the telescoping means is a plurality of pipe sections, each pipe section being receivable within an adjacent pipe section.

17. The assembly of claim 15 wherein the spray means is a spray bar fluidly connected to the second end of the telescoping pipe assembly, the spray bar having a plurality of nozzles positioned circumferentially about and longitudinally along the spray bar.

18. The assembly of claim 17 wherein the nozzles are recessed.

19. The assembly of claim 15 wherein the telescoping means has an automatic return system such that the telescoping means automatically retracts upon the occurrence of a predetermined event.
20. The assembly of claim 19 wherein the automatic return system is selected from the group consisting of a weight and pulley and a spring.